OFE SCIONAL STREET

SEQUENCE LISTING

<110> Raines, Ronald T

<120> Oxidation-Resistant Ribonuclease Inhibitor

<130> 960296.95360

<140> 09/234,028

<141> 1999-01-20

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 456

<212> PRT

<213> Rattus sp.

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Glu Leu Leu Pro Leu Ile Gln Gln Tyr Gln Val Val Arg Leu Asp Asp 20 25 30

Cys Gly Leu Thr Glu Val Arg Cys Lys Asp Ile Arg Ser Ala Ile Gln
35 40 45

Ala Asn Pro Ala Leu Thr Glu Leu Ser Leu Arg Thr Asn Glu Leu Gly 50 55 60

Asp Ala Gly Val Gly Leu Val Leu Gln Gly Leu Gln Asn Pro Thr Cys
65 70 75 80

Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly
85 90 95

Cys Gly Val Leu Pro Asp Val Leu Arg Ser Leu Ser Thr Leu Arg Glu
100 105 110

Leu His Leu Asn Asp Asn Pro Leu Gly Asp Glu Gly Leu Lys Leu Leu 115 120 125

Cys Glu Gly Leu Arg Asp Pro Gln Cys Arg Leu Glu Lys Leu Gln Leu 130 135 140

145	lyı	Cys	ASII	Бец	150	AIA	1111	361	Суб	155	PIO	neu	Ala	261	160
Leu	Arg	Val	Lys	Pro 165	Asp	Phe	Lys	Glu	Leu 170	Val	Leu	Ser	Asn	Asn 175	Asp
Phe	His	Glu	Ala 180	Gly	Ile	His	Thr	Leu 185	Cys	Gln	Gly	Leu	Lys 190	Asp	Ser
Ala	Cys	Gln 195	Leu	Glu	Ser	Leu	Lys 200	Leu	Glu	Asn	Cys	Gly 205	Ile	Thr	Ser
Ala	Asn 210	Сув	Lys	Asp	Leu	Cys 215	Asp	Val	Val	Ala	Ser 220	Lys	Ala	Ser	Leu
Gln 225	Glu	Leu	Asp	Leu	Gly 230	Ser	Asn	Lys	Leu	Gly 235	Asn	Thr	Gly	Ile	Ala 240
				245					250				Arg	255	
		_	260	-	-			265		_	-	-	Asp 270		•
		275					280					285	Leu		
	290					295					300		Ser		
305		_			310				-	315	-		Cys		320
				325					330				Lys	335	
			340					345					Asp 350		
		355		_			360	_			_	365	Val		
	370					375				_	380	_	Сув		
385	AIA	THE	val	пеп	390	AId	ASII	игд	Set	395	Arg	GIU	Leu	Asp	400

Ser Asn Asn Cys Met Gly Asp Asn Gly Val Leu Gln Leu Glu Ser Leu Lys Gln Pro Ser Cys Ile Leu Gln Gln Leu Val Leu Tyr Asp Ile Tyr Trp Thr Asp Glu Val Glu Asp Gln Leu Arg Ala Leu Glu Glu Glu Arg Pro Ser Leu Arg Ile Ile Ser <210> 2 <211> 456 <212> PRT <213> Sus sp. <400> 2 Met Asn Leu Asp Ile His Cys Glu Gln Leu Ser Asp Ala Arg Trp Thr Glu Leu Leu Pro Leu Leu Gln Gln Tyr Glu Val Val Arg Leu Asp Asp Cys Gly Leu Thr Glu Glu His Cys Lys Asp Ile Gly Ser Ala Leu Arg Ala Asn Pro Ser Leu Thr Glu Leu Cys Leu Arg Thr Asn Glu Leu Gly Asp Ala Gly Val His Leu Val Leu Gln Gly Leu Gln Ser Pro Thr Cys Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly Cys Gly Val Leu Pro Ser Thr Leu Arg Ser Leu Pro Thr Leu Arg Glu Leu His Leu Ser Asp Asn Pro Leu Gly Asp Ala Gly Leu Arg Leu Leu Cys Glu Gly Leu Leu Asp Pro Gln Cys His Leu Glu Lys Leu Gln Leu Glu Tyr Cys Arg Leu Thr Ala Ala Ser Cys Glu Pro Leu Ala Ser Val

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Ala	Cys	Gln 195	Leu	Glu	Thr	Leu	Arg 200	Leu	Glu	Asn	Cys	Gly 205	Leu	Thr	Pro
Ala	Asn 210	Cys	Lys	Asp	Leu	Cys 215	Gly	Ile	Val	Ala	Ser 220	Gln	Ala	Ser	Leu
Arg 225	Glu	Leu	Asp	Leu	Gly 230	Ser	Asn	Gly	Leu	Gly 235	Asp	Ala	Gly	Ile	Ala 240
Glu	Leu	Cys	Pro	Gly 245	Leu	Leu	Ser	Pro	Ala 250	Ser	Arg	Leu	Lys	Thr 255	Leu
Trp	Leu	Trp	Glu 260	Сув	Asp	Ile	Thr	Ala 265	Ser	Gly	Cys	Arg	Asp 270	Leu	Cys
Arg	Val	Leu 275	Gln	Ala	Lys	Glu	Thr 280	Leu	Lys	Glu	Leu	Ser 285	Leu	Ala	Gly
Asn	Lys 290	Leu	Gly	Asp	Glu	Gly 295	Ala	Arg	Leu	Leu	Cys 300	Glu	Ser	Leu	Leu
Gln 305	Pro	Gly	Суѕ	Gln	Leu 310	Glu	Ser	Leu	Trp	Val 315	Lys	Ser	Сув	Ser	Leu 320
Thr	Ala	Ala	Cys	Cys 325	Gln	His	Val	Ser	Leu 330	Met	Leu	Thr	Gln	Asn 335	Lys
His	Leu	Leu	Glu 340	Leu	Gln	Leu	Ser	Ser 345	Asn	Lys	Leu	Gly	Asp 350	Ser	Gly
Ile	Gln	Glu 355	Leu	Cys	Gln	Ala	Leu 360	Ser	Gln	Pro	Gly	Thr 365	Thr	Leu	Arg
Val	Leu 370	Сув	Leu	Gly	Asp	Cys 375	Glu	Val	Thr	Asn	Ser 380	Gly	Cys	Ser	Ser
Leu 385	Ala	Ser	Leu	Leu	Leu 390	Ala	Asn	Arg	Ser	Leu 395	Arg	Glu	Leu	Asp	Leu 400
Ser	Asn	Asn	Сув	Val 405	Gly	Asp	Pro	Gly	Val	Leu	Gln	Leu	Leu	Gly 415	Ser

Leu Arg Ala Thr Arg Ala Leu Lys Glu Leu Thr Val Ser Asn Asn Asp

Leu Glu Gln Pro Gly Cys Ala Leu Glu Gln Leu Val Leu Tyr Asp Thr 420 425 430

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Lys Pro Gly Leu Arg Val Ile Ser 450 455

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<213> Homo sapiens

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Ser Ser Ala Leu Arg Val Asn Pro Ala Leu Ala Glu Leu Asn Leu Arg 50 55 60

Ser Asn Glu Leu Gly Asp Val Gly Val His Cys Val Leu Gln Gly Leu 65 70 75 80

Gln Thr Pro Ser Cys Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Cys
85 90 95

Leu Thr Gly Ala Gly Cys Gly Val Leu Ser Ser Thr Leu Arg Thr Leu
100 105 110

Pro Thr Leu Gln Glu Leu His Leu Ser Asp Asn Leu Leu Gly Asp Ala 115 120 125

Gly Leu Gln Leu Cys Glu Gly Leu Leu Asp Pro Gln Cys Arg Leu 130 135 140

Glu Lys Leu Gln Leu Glu Tyr Cys Ser Leu Ser Ala Ala Ser Cys Glu 145 150 155 160

Pro Leu Ala Ser Val Leu Arg Ala Lys Pro Asp Phe Lys Glu Leu Thr

Val Ser Asn Asn Asp Ile Asn Glu Ala Gly Val Arg Val Leu Cys Gln Gly Leu Lys Asp Ser Pro Cys Gln Leu Glu Ala Leu Lys Leu Glu Ser Cys Gly Val Thr Ser Asp Asn Cys Arg Asp Leu Cys Gly Ile Val Ala Ser Lys Ala Ser Leu Arg Glu Leu Ala Leu Gly Ser Asn Lys Leu Gly Asp Val Gly Met Ala Glu Leu Cys Pro Gly Leu Leu His Pro Ser Ser Arg Leu Arg Thr Leu Trp Ile Trp Glu Cys Gly Ile Thr Ala Lys Gly Cys Gly Asp Leu Cys Arg Val Leu Arg Ala Lys Glu Ser Leu Lys Glu Leu Ser Leu Ala Gly Asn Glu Leu Gly Asp Glu Gly Ala Arg Leu Leu Cys Glu Thr Leu Leu Glu Pro Gly Cys Gln Leu Glu Ser Leu Trp Val Lys Ser Cys Ser Phe Thr Ala Ala Cys Cys Ser His Phe Ser Ser Val Leu Ala Gln Asn Arg Phe Leu Leu Glu Leu Gln Ile Ser Asn Asn Arg Leu Glu Asp Ala Gly Val Arg Glu Leu Cys Gln Gly Leu Gly Gln Pro Gly Ser Val Leu Arg Val Leu Trp Leu Ala Asp Cys Asp Val Ser Asp Ser Ser Cys Ser Ser Leu Ala Ala Thr Leu Leu Ala Asn His Ser Leu Arg Glu Leu Asp Leu Ser Asn Asn Cys Leu Gly Asp Ala Gly Ile Leu

Gln Leu Val Glu Ser Val Arg Gln Pro Gly Cys Leu Leu Glu Gln Leu

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Val Leu Tyr Asp Ile Tyr Trp Ser Glu Glu Met Glu Asp Arg Leu Gln
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Ala Leu Glu Lys Asp Lys Pro Ser Leu Arg Val Ile Ser 450 455 460

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<213> Artificial Sequence

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<213> Artificial Sequence

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